

## Flowfast Rapid Transit Adhesive

### Product sheet

#### Product description

A 3-component low viscosity methyl methacrylate (MMA) based self priming adhesive for Flowfast Rapid Transit Tactiles. Flowfast Rapid Transit Adhesive will bond to surface dry substrates that have a Relative Humidity up to 95% (to BS 8204).

**Note:** Flowfast Catalyst is supplied separately in 2 kg and 25 kg packs, use as required.

#### Uses

Three grades available:

##### Concrete Adhesive

Concrete surfaces to be coated should be sound and provide adequate strength for the proposed end use (minimum 25 N/mm<sup>2</sup> compressive strength).

##### Asphalt Adhesive

Asphalt surfaces to be coated should be good quality road grade waterproof mastic, free from laitance, dust and other contamination such as oil and rubber; it should be sound and provide adequate strength for the proposed end use.

##### Ceramic/Metal Adhesive

Not suitable for non-ferrous heavy metals and zinc. Steel substrates must be prepared to SA 2.5 (to DIN 55929). Glazed surfaces must be removed from tiles before applying the primer (e.g. by diamond grinding or shot blasting). Loose tiles and tiles over hollows must be removed.

#### Environment & Health

Flowfast Rapid Transit Adhesive is a solvent free product but has an odour associated with it, ensure adequate ventilation and/or extraction. Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken.

For more information, please refer to the safety datasheets for the individual components.

#### Ratio of components (by weight of Flowfast Rapid Transit Adhesive resin)

@ 30°C	add 1% Flowfast Catalyst	1 cm <sup>3</sup> Flowfast Catalyst = 0.64 g
@ 20°C	add 2% Flowfast Catalyst	
@ 10°C	add 4% Flowfast Catalyst	1g Flowfast Catalyst = 1.57 cm <sup>3</sup>
@ 0°C	add 6% Flowfast Catalyst	

Add the required amount of catalyst to the resin and mix for 1 - 2 minutes with a slow speed drill and helical spinner (taking care not to entrain air). Immediately add the Filler, ensuring that all the Filler is mixed in from the sides of the container and mix for 1 - 2 minutes until homogeneous.

#### Application time/pot life

Ready-mixed product should be used within 15 minutes at a temperature of 20°C. At higher temperatures the application time is shorter.

## Application temperature

To ensure fluidity, all materials must be preconditioned to 10 - 25°C prior to the application. The recommended substrate temperature is 10 - 25°C, but no less than 0°C and to a maximum of 30°C. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening. For application temperatures below 0°C or above 30°C, please consult the Flowcrete Technical Department.

Apply by notch trowel (5 mm notch) at approx. 1.5 mm thickness (dependant on substrate profile).

Coverage: 3.3 kg unit covers approx. 0.8 m<sup>2</sup> equivalent to 5 Tactiles (sized 400 x 400 mm).

## Curing time (at 20°C)

The product is fully hardened after 1 hour.

## Colour

To match the Tactiles to be used.

## Solids content

Approx. 100 %

## Density

Resin approx. 1.0 kg/litre.

## Storage

6 months in unopened pack. Protect from weather and moisture/contaminant ingress. Storage temperature between 5°C and 40°C (out of direct sunlight). Flash point + 11.5°C.

## Packaging

The product is delivered in the following packs:

**Note:** Flowfast Catalyst is supplied separately in 2 kg and 25 kg packs, use as required.

Unit	Flowfast Rapid Transit <b>Concrete</b> Adhesive Resin	Flowfast Rapid Transit Adhesive Filler - <b>colour</b>
3.3 kg	1.0 kg	2.3 kg
	Flowfast Rapid Transit <b>Asphalt</b> Adhesive Resin	Flowfast Rapid Transit Adhesive Filler - <b>colour</b>
3.3 kg	1.0 kg	2.3 kg
	Flowfast Rapid Transit <b>Ceramic/Metal</b> Adhesive Resin	Flowfast Rapid Transit Adhesive Filler - <b>colour</b>
3.3 kg	1.0 kg	2.3 kg

*Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.*